

HIGH  
PERFORMANCE  
GROUT

**Question: What is High Performance Grout?**

High Performance grout is one of the newest grout categories. This category of grout adds strength and stain resistance. ANSI defines the qualities of these grouts in A118.7

**Popular Brands:**



**TERMS TO KNOW**

**High Performance Sanded Tile Grout:** A factory prepared mixture of cement, sand, and other ingredients, including a re-dispersible, latex/polymer powder (to which only water is added at the jobsite) or a liquid latex admixture. When added in a latex form it is added as a replacement for part or all the mixing water. These grouts are designed for installation in joints of 1/8 wide or greater. The maximum allowable joint width is designated by the grout manufacturer.

**High Performance Unsanded Cement Grout:** A factory prepared mixture of cement, sand, and other ingredients, including a re-dispersible, latex/polymer powder (to which only water is added at the jobsite) or a liquid latex admixture. When added in a latex form it is added as a replacement for part or all the mixing water. These grouts are designed for installation in joints of 1/8 wide or less.

\*SOME MANUFACTURES DO NOT DESIGNATE SANDED OR UNSANDED. THEY HAVE FORMULATED THEIR MATERIAL TO FUNCTION IN 1/16" - 1/2". CHECK THE SPECIFICATE DATA ON THE PACKAGING.

**Nerdy Stuff**

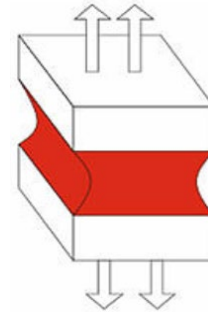
Property	Standard Sanded Cement Grout	Standard Unsanded Cement Grout
Linear Shrinkage	Less than 0.20%	Less than 0.30%
Water Absorption	Less than 5% (Half of Standard Grout)	Less than 5% (Half of Standard Grout)
Compressive Strength	3,000 psi. min.	3,000 psi. min.
Tensile Strength	500 psi. min. (70% Greater than Standard Grout)	500 psi. min. (Double Standard Grout)
Flexural Strength	1,000 psi. min. (Double Standard Grout)	1,000 psi. min. (Double Standard Grout)

**Final Thoughts:**

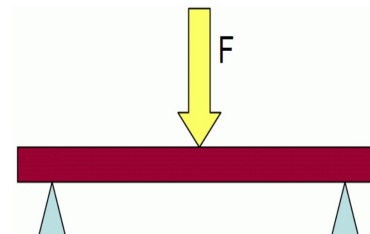
High performance grouts (ANSI 118.7) have revolutionized grout in the tile industry. Since their innovation, the job complaints have decreased by 50% or more. The color stability and increased stain resistance from the traditional standard cement grouts have made the contractors choices easier when selecting products. These grouts are more expensive, but I know that several contractors will absorb the costs, so they do not have to deal with call backs.

TileBar is only stocking High performance grout and Epoxy. The Laticrete products that we have brought on are NOT separated in Sanded and NONSanded. These grouts can be used in a joint 1/16" – 1/2". Our "go-to" will Permacolor Select. It is the most versatile and easy to store and ship. See their product video [here](#).

**(1) Tensile Strength**



**(2) Flexural Strength**



**Laticrete SpectraLock 1**



**TERMS TO KNOW**

- 1. Tensile Strength:** the resistance of a material before breaking under tension.
- 2. Flexural Strength:** the maximum bending stress that can be applied to a material before it yields. The most common way of obtaining the flexural strength of a material is by employing a transverse bending test using a three-point flexural test technique.